

Please type a plus sign (+) inside this box

PTO/SB/8A (08-00)

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/P

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	5	Application Number	09/840,000
				Filing Date	April 19, 2001
				First Named Inventor	Vi-En Choong et al.
				Group Art Unit	1634
				Examiner Name	Sisson, B.
				Attorney Docket Number	A-70204-1/RMS/AXG/JML

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
B&L	1	4,072,576		Arwin et al.	02/1978	
	2	4,098,645		Hartdegen et al.	07/1978	
	3	4,414,323		Masuda	11/1983	
	4	4,840,893		Hill et al.	06/1989	
	5	5,164,319		Hafeman et al.	11/1992	
	6	5,187,096		Giaever et al.	02/1993	
	7	5,194,133		Clark et al.	03/1993	
	8	5,312,527		Mikkelsen et al.	05/1994	
	9	5,532,128		Eggers et al.	07/1996	
	10	5,565,322		Heller	10/1996	
	11	5,591,578		Meade et al.	01/1997	
	12	5,605,662		Heller et al.	02/1997	
	13	5,632,957		Heller et al.	05/1997	
	14	5,653,939		Hollis et al.	08/1997	
	15	5,670,322		Eggers et al.	09/1997	
	16	5,705,348		Meade et al.	01/1998	
B&L	17	5,728,532		Ackley	03/1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ² (if known)				
B&L	18	WO	93/22678	A2	Massachusetts Institute of Technology	11/1993		
	19	WO	95/15971	A2	California Institute of Technology	06/1995		
	20	WO	96/40712	A1	California Institute of Technology	12/1996		
	21	WO	97/01646	A2	University of North Carolina	01/1997		
B&L	22	WO	97/46568	A1	California Institute of Technology			

Examiner Signature	B. Z. Lison	Date Considered	1-6-03
--------------------	-------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 06510031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
Sheet	2	of	5	Application Number	09/840,000
				Filing Date	April 19, 2001
				First Named Inventor	Vi-En Choong et al.
				Group Art Unit	1634
				Examiner Name	Sisson, B.
				Attorney Docket Number	A-70204-1/RMS/AXG/JML

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
B26	23	5,770,369		Meade et al.	06/1998	
	24	5,780,234		Meade et al.	07/1998	
	25	5,787,032		Heller et al.	07/1998	
	26	5,824,473		Meade et al.	10/1998	
	27	5,835,404		Heller et al.	11/1998	
	28	5,846,708		Hollis et al.	12/1998	
	29	5,849,486		Heller et al.	12/1998	
	30	5,849,489		Heller	12/1998	
	31	5,891,630		Eggers et al.	04/1999	
	32	5,929,208		Heller et al.	07/1999	
	33	5,952,172		Meade et al.	09/1999	
B26	34	5,965,452		Kovacs	10/1999	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ² (if known)				
B26	35	WO	98/08082	A1	Motorola Inc.	02/1998		
	36	WO	98/10273	A1	Nanogen Inc.	03/1998		
	37	WO	98/12430	A1	Filterwerk Mann Hummel	03/1998	English language Abstract	
	38	WO	98/57159	A1	Clinical Micro Sensors	12/1998		
	39	WO	99/67425	A2	Clinical Micro Sensors	12/1999		
	40	WO	00/67007	A3	Motorola Inc.	11/2000		
	41	WO	01/35100	A2	Clinical Micro Sensors	05/2001		
	42	WO	01/42508	A2	Motorola Inc.	06/2001		
	43	WO	01/57533	A2	Motorola Inc.	08/2001		
B26	44	WO	01/61053	A2	Motorola Inc.	08/2001		

Examiner Signature	Date Considered	1-6-03
--------------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

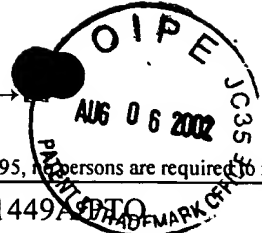
¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

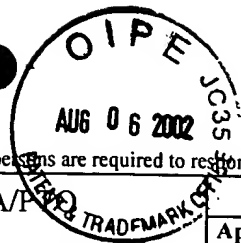
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED

TECH CENTER 1600/2900
AUG 09 2002



Please type a plus sign (+) inside this box



PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 06510031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/P

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 5 Attorney Docket Number A-70204-1/RMS/AXG/JML

RECEIVED
 AUG 6 2002
 TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
BAL	45	6,013,166		Heller	01/2000	
	46	6,017,696		Heller	01/2000	
	47	6,048,690		Heller et al.	04/2000	
	48	6,051,380		Sosnowski et al.	04/2000	
	49	6,067,246		Heller et al.	05/2000	
	50	6,068,818		Ackley et al.	05/2000	
	51	6,087,100		Meade et al.	07/2000	
	52	6,090,933		Kayyem et al.	07/2000	
	53	6,096,273		Kayyem et al.	08/2000	
	54	6,099,803		Ackley et al.	08/2000	
	55	6,129,828		Sheldon, III et al.	10/2000	
	56	6,162,603		Heller	12/2000	
	57	6,177,250	B1	Meade et al.	01/2001	
	58	6,180,352	B1	Meade et al.	01/2001	
	59	6,200,761	B1	Meade et al.	03/2001	
	60	6,207,373	B1	Sosnowski et al.	03/2001	
	61	6,221,583	B1	Kayyem et al.	04/2001	
	62	6,225,059	B1	Ackley et al.	05/2001	
	63	6,232,062	B1	Kayyem et al.	05/2001	
	64	6,238,624	B1	Heller et al.	05/2001	
	65	6,238,270	B1	Meade et al.	05/2001	
BAL	66	6,238,909	B1	Choong et al.	05/2001	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Kind Code ² Number ⁴ (if known)				

Examiner Signature: B. J. Sisson Date Considered: 1-6-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

1449A/100

Approved for use through 10/31/2002. OMB 06510031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/1449B

Complete if Known

(use as many sheets as necessary)

Application Number	09/840,000
Filing Date	April 19, 2001
First Named Inventor	Vi-En Choong et al.
Group Art Unit	1634
Examiner Name	Sisson, B.
Attorney Docket Number	A-70204-1/RMS/AXG/JMI

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	<i>B. J. Simon</i>	Date Considered	<i>1-6-03</i>
-----------------------	--------------------	--------------------	---------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

95, no persons are required to test

449B/PTO

TRADEMARK OFFICE

Approved for use through 10/31/2002. OMB 06519031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B (P.1) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Application Number				09/840,000	
Filing Date				April 19, 2001	
First Named Inventor				Vi-En Choong et al.	
Group Art Unit				1634	
Examiner Name				Sisson, B.	
Attorney Docket Number				A-70204-1/RMS/AXG/JML	

[illegible]

Examiner Signature	<i>B. L. Simon</i>	Date Considered	1-6-03
-----------------------	--------------------	--------------------	--------

¹ Unique citation designation number. ² Applicant is to place a check mark here if English Language Translation is attached.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.
1088598